

09-14-2001

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101842820

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Gavin D. HARTIGAN
David L. RUPPERT
Henry S. HUI

8-30-01
4-6-01

2. Name and address of receiving party(ies)
Name: The BOC Group, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other CORRECTED ASSIGNMENT (Reel/Frame: 011690/0014)

Street Address: 575 Mountain Ave.

Murray Hill

City: New Providence State: NJ Zip: 07974

Execution Date: April 6, 2001

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/827,947

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Wan Yee Cheung

Internal Address: Intellectual Property Dept.

The BOC Group, Inc.

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

Street Address: 100 Mountain Ave.

8. Deposit account number:

02-2865

(Attach duplicate copy of this page if paying by deposit account)

City: Murray Hill State: NJ Zip: 07974

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Wan Yee Cheung
Name of Person Signing

Wan Yee Cheung
Signature

28 Aug. 2001
Date

Total number of pages including cover sheet, attachments, and documents 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012149 FRAME: 0126

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04-30-2001



RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101692995

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):
Gavin D. Hartigan
David L. Ruppert
Henry S. Hui
Additional name(s) of conveying party(ies) attached? Yes No

04/06/01

2. Name and address of receiving party(ies):
Name: The BOC Group, Inc.
Internal Address: 575 Mountain Avenue
Street Address:
City: New Providence State: NJ ZIP: 07974
Additional name(s) & address(es) attached? Yes No

101692995 U.S. PTO
04/06/01

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date:

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: April 6, 2001
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

09/827947

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: The BOC Group, Inc.
Internal Address: 100 Mountain Avenue
Street Address:
City: New Providence State: NJ ZIP: 07974

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
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02-2865
(Attach duplicate copy of this page if paying by deposit account)

04/27/2001 TDIAZ1 00000104 022865 09827947

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Signature and Date:
Wan Yee Cheung
Name of Person Signing
Signature
Date
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Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

**JOINT ASSIGNMENT
UNITED STATES PATENT APPLICATION**

WHEREAS, WE, Gavin D. Hartigan, a citizen of the United States of America, **David L. Ruppert**, a citizen of the United States of America, and **Henry S. Hui**, a citizen of Hong Kong, residing respectively at

56 Wellington Drive, Flemington, New Jersey 08822;
28 Sand Hill Road, Annandale, New Jersey 08801; and
124-B Main Street, Glen Gardner, New Jersey 08826,

have invented certain new and useful improvements in Method and System For Liquefaction Monitoring, for which we have made application for Letters Patent of the United States enclosed herewith and;

WHEREAS, The BOC Group, Inc. a Delaware Corporation having an office at 575 Mountain Avenue, Murray Hill, New Providence, New Jersey 07974 is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

Henry S. Hui *H.S.H. P/2/01*

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said **Gavin D. Hartigan, David L. Ruppert and ~~Andrew Peter Richardson~~**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

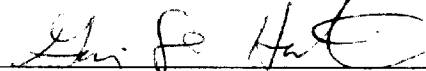
AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

WE HEREBY authorize the above-mentioned assignee, The BOC Group, Inc., to insert into this instrument the filing date and serial number of our said application.

**JOINT ASSIGNMENT (cont'd)
UNITED STATES PATENT APPLICATION**

AND WE HEREBY further covenant and agree that we will communicate to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 6th day of April, 2001.

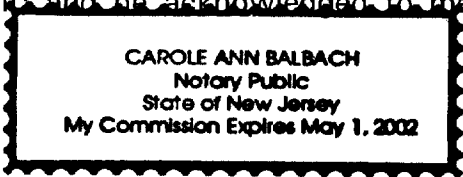


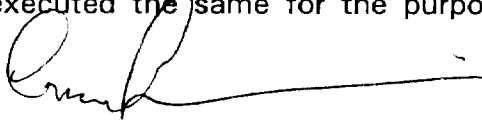
Gavin D. Hartigan

State of: New Jersey
County of: Union

On this 6th day of April, 2001, before me, personally appeared
Gavin D. Hartigan

to me known and known to me to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purposes therein stated.





Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand this 6th day of April, 2001.

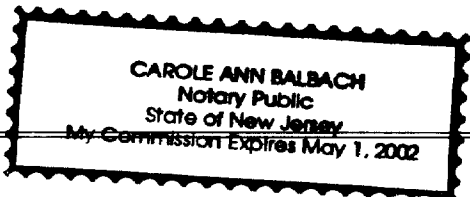


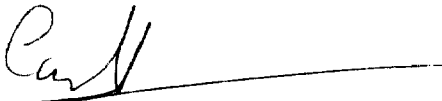
David L. Ruppert

State of: New Jersey
County of: Union

On this 6th day of April, 2001, before me, personally appeared
David L. Ruppert,

to me known and known to me to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purposes therein stated.





Notary Public

JOINT ASSIGNMENT (cont'd)
UNITED STATES PATENT APPLICATION

IN TESTIMONY WHEREOF, I hereunto set my hand this 6th day of April 2001.

Henry S. Hui
Henry S. Hui

State of: New Jersey
County of: Union

On this 6th day of April, 2001, before me, personally appeared ~~Andrew Peter Richardson~~ Henry S. Hui EB 8/23/2001

to me known and known to me to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purposes therein stated.

CA
Notary Public

